

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A photometer, comprising:

[[an]] a wavelength-band-component ~~extracting-means~~ extractor that extracts a component of a predetermined wavelength band from incident light;

a ~~branching-means~~ brancher that branches the predetermined wavelength band component into a first direction and a second direction;

an optical ~~connecting-means~~ connector that comprises a first input terminal, a second input terminal, a first output terminal, and a second output terminal, said first input terminal being connected to one end of an device under test, and said second input terminal being connected to a side in the first direction of said ~~branching-means~~ brancher;

an optical ~~amplifying-means~~ amplifier that receives light from said second output terminal, and outputs amplified light, which is obtained by amplifying the light, to an incident light receiving section of said wavelength-band-component ~~extracting-means~~ extractor; and

a ~~photodetecting-means~~ photodetector that is connected to said first output terminal, and detects light, wherein:

the other end of the device under test is connected to a side in the second direction of said ~~branching-means~~ brancher; and

said optical ~~connecting-means~~ connector (1) connects between said first input terminal and said first output terminal, and between said second input terminal and said second output

terminal, or (2) connects between said first input terminal and said second output terminal, and between said second input terminal and said first output terminal.

2. (Currently Amended) The photometer according to claim 1, wherein said optical ~~amplifying means~~ amplifier is a fiber amplifier or a semiconductor optical amplifier.

3. (Currently Amended) The photometer according to claim 1, wherein said ~~predetermine~~ predetermined wavelength band of said wavelength-band-component ~~extracting~~ means extractor is variable.

4. (Original) The photometer according to claim 1, wherein the device under test is an optical fiber or a device which transmits light beam.

5. (Currently Amended) The photometer according to claim 1, wherein:  
there exist a plurality of said wavelength-band-component ~~extracting means~~ extractors respectively having a predetermined wavelength band to be extracted differing from each other; and

there exist a plurality of said ~~photodetecting means~~ photodetectors respectively having a wavelength band of light to be detected corresponding to the predetermined wavelength band.

6. (Previously Presented) A photometer comprising:  
a spectrometer that extracts a component of a predetermined wavelength band from incident light;

a coupler that branches the predetermined wavelength band component into a first direction and a second direction;

an optical switch that comprises a first input terminal, a second input terminal, a first output terminal, and a second output terminal, said first input terminal being connected to one end of an device under test, and said second input terminal being connected to a side in the first direction of said coupler;

an optical amplifier that receives light from said second output terminal, and outputs amplified light, which is obtained by amplifying the light, to an incident light receiving section of said spectrometer; and

a photodetector that is connected to said first output terminal, and detects light, wherein:  
the other end of the device under test is connected to a side in the second direction of said coupler; and

said optical switch (1) connects between said first input terminal and said first output terminal, and between said second input terminal and said second output terminal, or (2) connects between said first input terminal and said second output terminal, and between said second input terminal and said first output terminal.

7. (Currently Amended) The photometer according to claim [[1]] 6, wherein said optical amplifier is a fiber amplifier or a semiconductor optical amplifier.

8. (Currently Amended) The photometer according to claim [[1]] 6, wherein said predetermined wavelength band of said spectrometer is variable.

9. (Currently Amended) The photometer according to claim ~~[[1]]~~ 6, wherein the device under test is an optical fiber or a device which transmits a light beam.

10. (Currently Amended) The photometer according to claim ~~[[1]]~~ 6, wherein:  
there exist a plurality of said spectrometers respectively having a predetermined wavelength band to be extracted differing from each other; and  
there exist a plurality of said photodetectors respectively having a wavelength band of light to be detected corresponding to the predetermined wavelength band.